


FORM PTO-1449		U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.		SERIAL NO.	
				U 013757-2		10/009,016	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT			
				Heikki HYOTY, et al			
				FILING DATE		GROUP	
				March 12, 2002		1645	
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME		FILING DATE IF APPROPRIATE	
	AA						
	AB						
	AC						
	AD						
	AE						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)							
MM	AP	Screening of organ donors for anti-islets antibodies and characterization of pancreatic histology in an antibody positive subject. Giannani, Dotta, Di Mario, Scipioni, Grassetti, Liggins, Yu, Eisenbarth. Immunology of Diabetes Society Conference. Cambridge England March 28-31 2004					
	AQ	Human Beta-Cell Specific Enteroviral Infection Impairs insulin secretion and upregulates islet chemokine and fas expression. Grassetti, Scipioni, Del Guerra, Lettieri, Sbrana, Mario, Marchetti, Dotta. Immunology of diabetes society conference. Cambridge England March 28-31 2004					
	AR	Demonstration of enterovirus infection in islets of two patients with type 1 diabetes. Dotta, Santangelo, Marselli, Dionisi, Scipioni, Masini, van Halteren, Del Prato, Di Mario, Roep, Marchetti. Diabetes/Metabolism Research and Reviews. November-December 2002					
	AS	Enterovirus infection in human pancreatic islet cells, islet tropism in vivo and receptor involvement in cultured islet beta cells. Ylipaasto, Klingel, Lindberg, Otonkoski, Kandolf, Hovi, Riivainen. Diabetologia (2004)					
	AT	Virus-induced diabetes mellitus. Yoon, Austin, Onodera, Notkins. Vol. 300 NO. 21 Laboratory of Oral Medicine.					
	AU	Human beta cell specific enteroviral infection induces pro-apoptotic changes as evidenced by microarray gene expression profiling. Grassetti, Scipioni, Lupi, Del Prato, Marchetti, Dotta. Diabetologia Volume 47, article 488 page A179					
EXAMINER				DATE CONSIDERED 2-8-05			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449		U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.		SERIAL NO.	
				U 013757-2		10/009,016	
				APPLICANT			
				Heikki HYOTY, et al			
				FILING DATE		GROUP	
				March 12, 2002		1645	
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin-right: 10px;"> O I P E JAN 19 2005 PATENT & TRADEMARK OFFICE </div> <div> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> </div> </div>							
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME		FILING DATE IF APPROPRIATE	
	AA						
	AB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION	
						YES	NO
	AL						
OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)							
MM	BA	Enterovirus-related type 1 diabetes mellitus and antibodies to glutamic acid decarboxylase in Japan. Kawashima, Ihara, Loi, Oana, Sato, Kato, Takami, Kashiwagi, Takekuma, Hoshika, Mori. Journal of Infection, August 2004 49(2): 147-51					
	BB	Simultaneous Onset of Type 1 Diabetes Mellitus in Identical Infant Twins with Enterovirus Infection. Smith, Clements, Riding, Collins, Bottazzo, Taylor. Diabetic Medicine 1998 15: 515-517					
	BC	Enterovirus RNA is found in Peripheral Blood Mononuclear Cells in a Majority of Type 1 Diabetic Children at Onset. Yin, Berg, Tuvemo, Frisk. Diabetes, Vol 51, June 2002					
	BD	Reduced Frequency of HLA DRB1*03-DQB1*02 in Children with Type 1 Diabetes Associated with Enterovirus RNA. Craig, Howard, Silink, Rawlinson. Journal of Infectious Diseases May 15, 2003					
	BE	Enterovirus Variants in the serum of children at the onset of Type 1 diabetes mellitus. Nairn, Galbraith, Taylor, Clements. British Diabetic Association, Diabetic Medicine 16, 509-513 1999					
	BF	Coxsackie B Virus infection and onset of childhood diabetes. Clements, Galbraith, Taylor. The Lancet, Vol 346, July 22, 1995 pgs 221-223					
	BG	Detection of Coxsackie B Virus RNA Sequences in Whole Blood Samples from adult patients at the onset not Type 1 diabetes mellitus. Andreoletti, Hober, Hober-Vandenberghe, Belaich, Vantighem, Lefebvre, Watte,. Juornal of Medical Vriology 52:121-127 (1997)					
	BI	Neonatal Type 1 diabetes associated with maternal echovirus 6 infection: a case report. Otonkoski, Roivainen, Vaarala, Dinscen, Leipala, Hovi, Knip. Diabetologia (2000) 43: 1235-1238					
	BJ	Serologic Evidence of an Association between Enteroviruses and the onset of Type 1 diabetes mellitus. Helfand, Gary, Jr., Freeman, Anderson, Pallansch. The Journal of Infectious Diseases 1995: 172-1206-11					
↓	BK	Increased level of interferon-α in blood of patients with insulin-dependent diabetes mellitus: Relationship with coxsackievirus B infection. Chehadah, Weill, Vantighem, Alm, Lefebvre, Watte, Hober. The Journal of Infectious Diseases 2000; 181:1929-39					
EXAMINER				DATE CONSIDERED			
moder				2805			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. U 013757-2		SERIAL NO. 10/009,016	
		APPLICANT Heikki HYOTY, et al			
		FILING DATE March 12, 2002		GROUP 1645	
U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA				
	AB				
	AC				
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
	AL				
	AM				
OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)					
MM	BL	Characterization of the T-Cell response to Cocksackievirus B4. Evidence that effector memory cells predominate in patients with Type 1 diabetes. Varela-Calvino, Ellis, Sgarbi, Dayan, Peakman. Diabetes, vol. 51, June 2002			
	BM	Prediction and prevention of Type 1 diabetes mellitus. PS 30, Schlosser, Mentel Moya-Suri, Wassmuth, Gurtler, Moritz, Greifswald, Arndt. Diabetologia, vol 47 supplement 1, A 183			
	BN	Enterovirus infections are associated with the induction of β -Cell autoimmunity in a prospective birth cohort study. Salminen, Sadeharju, Lonnrot, Vahasalo, Kupila, Korhonen, Ilonen, Simell, Knip, Hyoty. Journal of Medical Virology 69:91-98 (2003)			
	BO	Enterovirus infections as a risk factor for type 1 diabetes: virus analyses in a dietary intervention trial. Sadeharju, Hamalainen, Knip, Lonnrot, Koskela, Virtanen, Ilonen, Akerblom, Hyoty. Clin. Exp. Immunol 2003; 132: 271-277			
	BP	Enterovirus antibody levels during the first two years of life in prediabetic autoantibody-positive children. Sadeharju, Lonnrot, Kimpinaki, Savola, Erkkila, Kalliokoski, Savolainen, Koskela, Ilonen, Simell, Knip, Hyoty. Diabetologia (2001) 44: 818-823			
	BQ	Enterovirus RNA in Serum is a risk factor for beta-cell autoimmunity and clinical Type 1 diabetes: A prospective study. Lonnrot, Salminen, Knip, Savola, Kulmala, Leinikki, Hyypia, Akerblom, Hyoty. Journal of Medical Virology 61:214-220 (2000)			
	BR	T-Cell responses to enterovirus antigens in children with Type 1 diabetes. Juhela, Hyoty, Roivainen, Harkonen, Putto-Laurila, Simell, Ilonen. Diabetes, vol. 49, August 2000 pgs 1308-1313			
	BS	Islet cell antibody seroconversion in children is temporally associated with enterovirus infections. Hiltunen, Hyoty, Knip, Ilonen, Reijonen, Vahasalo, Roivainen, Lonnrot, Leinikki, Hovi, Akerblom. The Journal of Infectious Diseases 1997; 175:554-60			
	BT	A prospective study of the role of coxsackie B and other enterovirus infections in the pathogenesis of IDDM. Hyoty, Hiltunen, Knip, Laakkonen, Vahasalo, Karjalainen, Koskela, Roivainen, Leinikki, Hovi, Akerblom. Diabetes, vol. 44, June 1995 pgs 652-657			
EXAMINER		DATE CONSIDERED			
EXAMINER:		Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

FORM PTO-1449

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK
OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 013757-2

10/009,016

APPLICANT

Heikki HYOTY, et al

FILING DATE

GROUP

March 12, 2002

1645

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA				
	AB				
	AC				
	AD				
	AE				
	AF				
	AG				
	AH				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AL					
	AM					
	AN					
	AO					
	AP					

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

MM	BU	Detection of enterovirus RNA sequences in serum samples from autoantibody-positive subjects at risk for diabetes. Coutant, Palmer, Carel, Cantero-Aguilar, Lebon, Bougneres. 2002 Diabetes UK Diabetic Medicine, 19 966-971.
	BV	Echovirus 4 and Type 1 diabetes mellitus. Diaz-Horta, Bello, Cabrera-Rode, Suarez, mas, Garcia, Abalos, Jofra, Molina, Diaz-Diaz, Di Mario. Autoimmunity Vol. 34 pp. 275-281
↓	BW	Type 1 diabetes islet associated antibodies in subjects infected by echovirus 16. Cabrera-Rode, Sarmiento, Tiberti, Molina, Barrios, Hernandez, Diaz-Horta, Di Mario. Diabetologia (2003) 46: 1348-1353.

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.